Keeping Your Most Precious Patients Safe, By Design

NanoClave®
Low Profile Neutral Displacement Needlefree Connector

Specifically designed with a small size and minimal residual volume for use on neonatal and pediatric patients.
Helping Keep Your Tiniest Patients Safe From Infection While Effectively Managing Their Fluids

Preventing infections and managing patient fluids are critical elements of neonatal infusion therapy. And NanoClave is here to help.

Neonates face an increased risk for both dehydration and fluid overload. Inadequate water intake can cause the baby to become dehydrated, while excessive water intake can cause heart and lung problems or intestinal damage.1 As a result, neonatal fluid and electrolyte requirements must be carefully calculated and monitored, including the volume of flush solution infused after blood draws or administration.

NanoClave may help you better manage patient fluids by reducing the flush volume required to clear the IV connector of blood components.

NanoClave is specifically designed to help keep your neonatal and pediatric patients safe by minimizing flush volumes and providing a safe and effective microbial barrier.2 Because of its light weight, small size and smooth profile, NanoClave may also help you minimize irritation and discomfort.
Industry preferred needlefree connector technology that has been chosen by clinicians and infection control professionals more than twice as often as any other.

Minimize Flush Volumes
Minimal residual volume of only 0.02 mL allows for lower flush volumes which may help your efforts to maintain appropriate patient fluid balance.

Reduce the Risk of Bloodstream Infection
A mechanically and microbiologically closed system provides a safe and effective microbial barrier to help minimize infection risks.

Minimize Patient Discomfort
The small size and weight of the NanoClave make it the perfect solution for your neonatal and pediatric patients.

Visualize Connector Flushing
The clear housing of the NanoClave allows for visualization of the internal fluid path upon flushing the connector.

Market-leading Infection Control Technology
Proven to Minimize Bacterial Contamination
NanoClave can help your efforts to reduce infection risks by minimizing entry points for bacteria and maximizing the effectiveness of every flush.

Silicone Seal and Internal Cannula
Specifically designed to minimize contact between the connector’s external surface and the internal fluid path upon luer activation, this proven Clave® technology minimizes entry points for bacteria. Several studies have attributed this feature to a significant reduction in bacterial contaminants passed through the connector.

Split-septum
a preferred design feature for connectors.

Straight fluid path
for clearing blood and blood residual with low flush volumes.

Minimal residual volume
(also referred to as priming volume) allows for lower flush volumes.

Clear housing
permits visual confirmation of flush after use with medications or blood.
Design Patient-Ready Sets Exactly How You Need Them.

Make the most of our clinically preferred needlefree technology with made-to-order custom IV sets with no long-term contracts or minimum order requirements.

Our low-cost, custom IV set program allows facilities to maximize efficiencies by:

- Avoiding burdensome assembly of multiple sets and unnecessary storage of extra components
- Designing patient-ready IV sets by choosing from thousands of clinically proven component options
- Customizing sets with color-coded IV components and accessories to improve IV line management and avoid medication mix-ups

To learn how to put NanoClave to work for you, contact us today by calling 800.824.7890 or by visiting icumed.com/nanoclave.

Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residual Volume</td>
<td>0.02 mL</td>
</tr>
<tr>
<td>Flow Rate at Gravity</td>
<td>145 mL/minute</td>
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<tr>
<td>Blood Compatibility</td>
<td>Yes</td>
</tr>
<tr>
<td>MRI Compatibility</td>
<td>Yes</td>
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<tr>
<td>High Pressure Compatibility</td>
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</table>

Drug Compatibility

<table>
<thead>
<tr>
<th>Drug</th>
<th>Compatibility</th>
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</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>Yes</td>
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<tr>
<td>Lipids</td>
<td>Yes</td>
</tr>
<tr>
<td>Chlorhexidine</td>
<td>Yes</td>
</tr>
<tr>
<td>Chemotherapy</td>
<td>Yes</td>
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</tbody>
</table>

NanoClave’s saline flush option allows you to reduce risks, cost, and time associated with Heparin use.